

Converting Colors

$Y_{xy}(83.6200, 0.2900, 0.3290)$

Have a look what the booklet for
Yxy(83.6200, 0.2900, 0.3290)
contains.

Yxy(83.6941, 0.2896, 0.3289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.6941, 0.2896, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	CEF3F3
RGB	206, 243, 243
RGB Percent	81%, 95%, 95%
CMY	0.1920, 0.0471, 0.0470
CMYK	0.15, 0.00, 0.00, 0.05
HSL	180°, 61%, 88%
HSV	180°, 15%, 95%
XYZ	73.6936, 83.6941, 97.0790
YIQ	231.9370, -22.0520, -7.8440

Conversions

Conversions Part 2

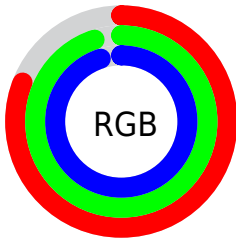
Format	Color
R_{YB}	206, 225, 243
Decimal	13562867
CIE _{Lab}	93.32, -11.86, -4.02
CIE _{LCh}	93, 12.518, 198.713
Y _{xy}	83.6941, 0.2896, 0.3289
Android (android.graphics.Color)	4291752947 (0xFFCEF3F3)
Y _{UV}	231.9370, 5.4541, -22.7467
Hunter-Lab	91.4845, -16.3106, 1.1234

Details

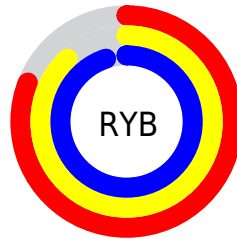
The Yxy color **83.6941, 0.2896, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.6960, 0.3413, 0.3291**, and the grayscale version is **80.6261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7078, 0.2843, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **80.4722, 0.2756, 0.3288**, and if you desaturate by 10%, it is **87.4608, 0.3046, 0.3290**.

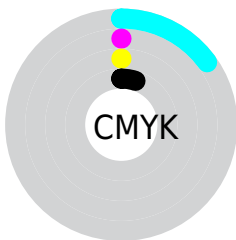
Distribution



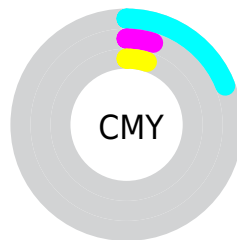
- Red (81%)
- Green (95%)
- Blue (95%)



- Red (81%)
- Yellow (88%)
- Blue (95%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)




- Cyan (19%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6941, 0.2896, 0.3289 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 83.6941, 0.2896, 0.3289 by changing the saturation by 10% instead.

 83.6941, 0.2896,
0.3289

 83.6941, 0.2896,
0.3289

507.2969, 0.3000,
0.3290

 62.7629, 0.2873,
0.3288

138.5472, 0.2931,
0.3290

 45.6494, 0.2845,
0.3288


173.2379, 0.2945,
0.3290

 31.9693, 0.2810,
0.3287


213.2838, 0.2957,
0.3290

 21.3380, 0.2765,
0.3285

259.0695, 0.2968,
0.3290

 13.3713, 0.2706,
0.3282

310.9792, 0.2977,
0.3290

 7.6847, 0.2623,
0.3278

369.3975, 0.2986,

 3.8939, 0.2500,

0.3290

434.7085, 0.2993,
0.3290

0.3269

1.6144, 0.2299,
0.3250

0.3673, 0.0538,
0.3316

83.6941, 0.2896,
0.3289

83.6941, 0.2896,
0.3289

80.4722, 0.2756,
0.3288

87.4608, 0.3046,
0.3290

77.7599, 0.2630,
0.3288

91.7848, 0.3203,
0.3290


75.5343, 0.2520,
0.3287

91.8616, 0.3205,
0.3291


73.7663, 0.2428,
0.3287

91.8725, 0.3205,
0.3291

 72.4241, 0.2355,
0.3286

 91.8834, 0.3205,
0.3291


 71.4715, 0.2302,
0.3286

 91.8943, 0.3205,
0.3291

 70.8664, 0.2268,
0.3286

 91.9052, 0.3205,
0.3291

 70.5572, 0.2250,
0.3285

 91.9161, 0.3205,
0.3291

 70.4764, 0.2246,
0.3285

 91.9271, 0.3205,
0.3292

Harmonies

Analogous

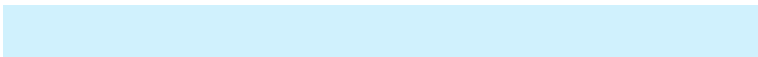
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6941, 0.3002, 0.3419



83.6941, 0.2896, 0.3289



83.6941, 0.2851, 0.3163

Triad

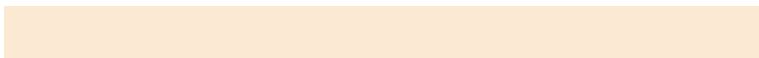
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6941, 0.2896, 0.3289



83.6941, 0.3106, 0.3080



83.6941, 0.3381, 0.3503

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



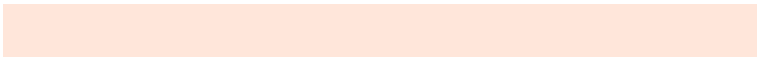
83.6941, 0.2896, 0.3289



67.6960, 0.3413, 0.3291

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6941, 0.3412, 0.3407



83.6941, 0.2896, 0.3289



83.6941, 0.3251, 0.3166

Square

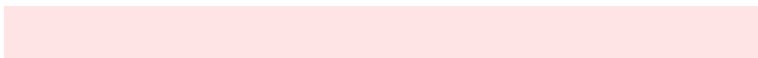
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6941, 0.2896, 0.3289



83.6941, 0.2970, 0.3046



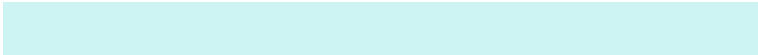
83.6941, 0.3363, 0.3284



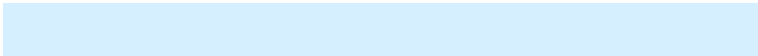
83.6941, 0.3282, 0.3543

Rectangle

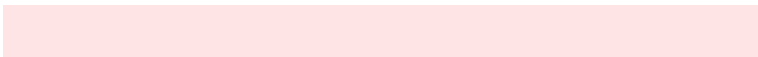
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



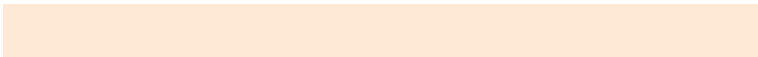
83.6941, 0.2896, 0.3289



83.6941, 0.2861, 0.3099



83.6941, 0.3363, 0.3284



83.6941, 0.3400, 0.3476

Sweetspot

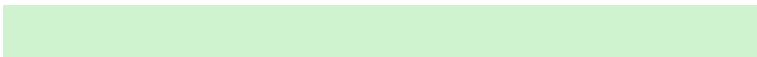
The Sweet Spot groups the original color and five complimentary colors.



83.6976, 0.2896, 0.3289



97.6554, 0.3049, 0.3290



81.7005, 0.3108, 0.3698



20.8345, 0.3038, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6976, 0.2896, 0.3289



92.2879, 0.2855, 0.3289



73.1999, 0.2888, 0.3089



18.7556, 0.2981, 0.3289



38.6737, 0.2246, 0.3285



3.3997, 0.2246, 0.3285

Inverse Universe

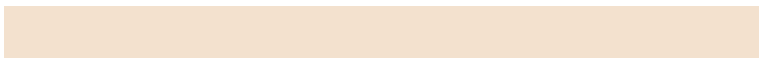
The Inverse Universe completely reimagines the original color for something new.



69.6947, 0.3145, 0.2914



74.1278, 0.3148, 0.2842



77.1157, 0.3384, 0.3483



16.7681, 0.3138, 0.3057



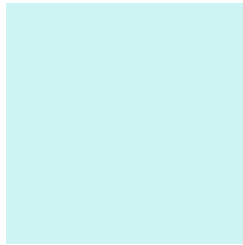
14.0035, 0.3211, 0.1543



1.2308, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 83.6941, 0.2896, 0.3289 looks on a white background.

Color Contrast Check

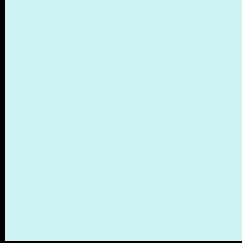
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 83.6941, 0.2896, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

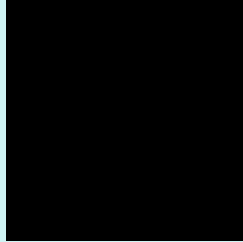
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6941, 0.2896, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 83.6941, 0.2896, 0.3289.

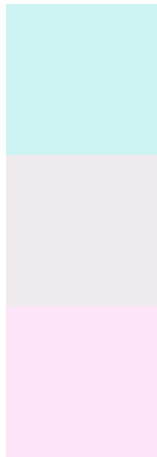


This preview shows how white text looks on a background with the Yxy color 83.6941, 0.2896, 0.3289.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

83.6941, 0.2896, 0.3289

Protanopia

83.3694, 0.3136, 0.3249

Deuteranopia

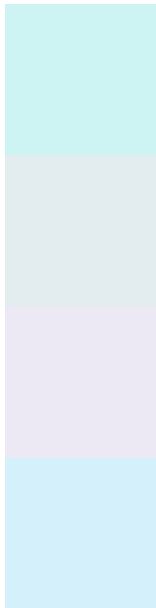
83.0233, 0.3183, 0.3114



Tritanopia

83.4001, 0.2882, 0.3124

Trichromacy



Original Color

83.6941, 0.2896, 0.3289

Protanomaly

83.1905, 0.3043, 0.3259

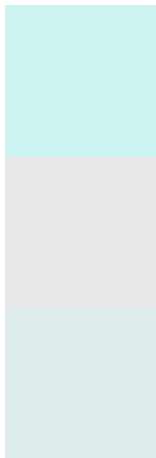
Deuteranomaly

82.7033, 0.3073, 0.3168

Tritanomaly

83.2823, 0.2886, 0.3174

Monochromacy



Original Color

83.6941, 0.2896, 0.3289

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.7350, 0.3042, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6941, 0.2896, 0.3289 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(206, 243, 243)` looks like.

```
.text, #text, p{  
    color:rgb(206, 243, 243)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(206, 243, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 243, 243) }
```

Border

The CSS property to change the border of an element to Yxy 83.6941, 0.2896, 0.3289 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 243, 243) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(206, 243, 243) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(206, 243, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 243, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 243, 243);  
box-shadow:4px 4px 4px 4px rgb(206, 243,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6941, 0.2896, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 243, 243) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(206,  
243, 243) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor